

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	14169	((257/69) or (257/204) or (257/288) or (257/350) or (257/351) or (257/357) or (257/367) or (257/369) or (257/374) or (257/499) or (257/510) or (257/513) or (438/42) or (438/153) or (438/154) or (438/199) or (438/221) or (438/296) or (438/400) or (438/424) or (438/426) or (438/700)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:29
L3	1274242	transverse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:33
L4	3462075	parallel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:34
L5	2086923	longitudinal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:34
L6	918293	stress\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:34
L7	2053547	"STI" or (shallow adj trench) or (shallow adj trench adj isolat\$3) or trench\$2 or groov\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:36
L8	146255	("CMOS" or (complementary adj metal adj oxide) or complementary\$1"MOS" )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:40

## EAST Search History

L9	832403	transistor\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:41
L10	201412	"PFET" or p\$1fet\$1 or p\$1type\$1 or p\$1channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:43
L11	210536	"NFET" or n\$1fet\$1 or n\$1type\$1 or n\$1channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:45
L12	57312	3 and 4 and 5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:46
L13	8891	7 and 8 and 9 and 10 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:46
L14	49	12 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:50
L15	45	12 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 18:39

## EAST Search History

L16	70	("20020074598"   "20020086472"   "20020090791"   "20030040158"   "3602841"   "4665415"   "4853076"   "4855245"   "4952524"   "4958213"   "5006913"   "5060030"   "5081513"   "5108843"   "5134085"   "5310446"   "5354695"   "5371399"   "5391510"   "5459346"   "5471948"   "5557122"   "5561302"   "5565697"   "5571741"   "5592007"   "5592018"   "5670798"   "5677232"   "5679965"   "5683934"   "5840593"   "5861651"   "5880040"   "5940736"   "5946559"   "5989978"   "6008126"   "6025280"   "6046464"   "6066545"   "6090684"   "6107143"   "6117722"   "6133071"   "6165383"   "6221735"   "6228694"   "6246095"   "6255169"   "6261964"   "6274444"   "6281532"   "6284626"   "6361885"   "6362082"   "6368931"   "6403975"   "6406973"   "6476462"   "6493497"   "6498358"   "6501121"   "6506652"   "6509618"   "6512273"   "6521964"   "6531369"   "6531740"   "6573172"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/24 17:52
L17	465	(257/374).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:57
L18	538	(257/E21.545).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:57
L19	4336	((257/E21.54) or (257/E21.545) or (257/E21.546) or (257/E21.548) or (257/E21.574) or (257/E21.628)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 18:39
L20	9	12 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 18:39
			USOCR; EPO; JPO; DERWENT; IBM_TDB			

## EAST Search History

S1	2023	((257/374) or (257/499) or (438/424) or (438/426)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/15 20:19
S2	80678	trench or trenches	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/20 19:09
S3	77284	t near2 shaped	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/20 19:09
S4	306	(t near2 shaped) same (trench or trenches)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 18:33
S5	17	((((257/374) or (257/499) or (438/424) or (438/426)).CCLS.) and ((t near2 shaped) same (trench or trenches)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/20 19:10
S6	9	"6093621".URPN.	USPAT	OR	OFF	2004/04/20 19:12
S7	6	("5940716"   "5960297"   "5963819"   "5976948"   "5981356"   "5989975").PN.	USPAT	OR	OFF	2004/04/20 19:13
S8	0	"6566225".URPN.	USPAT	OR	OFF	2004/04/20 19:15
S9	0	"6566225".URPN.	USPAT	OR	OFF	2004/04/20 19:15
S10	11	("5837612"   "5930645"   "6080637"   "6093621"   "6096622"   "6143623"   "6238997"   "6251747"   "6274455"   "6284623"   "6355539").PN.	USPAT	OR	OFF	2004/04/20 19:15
S11	0	"6271147".URPN.	USPAT	OR	OFF	2004/04/20 19:16
S12	6	("5899716"   "5963819"   "5966614"   "6074931"   "6080637"   "6093621").PN.	USPAT	OR	OFF	2004/04/20 19:16
S13	308	(t near2 shaped) same (trench or trenches)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 18:34

## EAST Search History

S14	657711	transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 18:34
S15	48	((t near2 shaped) same (trench or trenches)) same transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 18:56
S16	30033	transistor near channel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 18:57
S17	0	((t near2 shaped) same (trench or trenches)) same (transistor near channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:02
S18	80785	trench or trenches	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:02
S19	816	(transistor near channel) same (trench or trenches)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:04
S20	101936	field adj effect adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:04
S21	117583	field adj effect	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:05
S22	322	(field adj effect) and ((transistor near channel) same (trench or trenches))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:07
S23	532023	mos or (metal adj oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:07

## EAST Search History

S24	232	((field adj effect) and ((transistor near channel) same (trench or trenches))) and (mos or (metal adj oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/22 19:08
S25	87	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:08
S26	451755	((current near2 (flow\$3 or direction\$1)) or ((parallel or travers\$2)near2 direction\$1)) same (current or (current near2 (flow or direction)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:00
S27	1	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) same (((current near2 (flow\$3 or direction\$1)) or ((parallel or travers\$2)near2 direction\$1)) same (current or (current near2 (flow or direction))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 18:58
S28	10	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) and (((current near2 (flow\$3 or direction\$1)) or ((parallel or travers\$2)near2 direction\$1)) same (current or (current near2 (flow or direction))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 18:58
S29	9	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) and (((current near2 (flow\$3 or direction\$1)) or ((parallel or travers\$2)near2 direction\$1)) same (current or (current near2 (flow or direction)))) not (((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) same (((current near2 (flow\$3 or direction\$1)) or ((parallel or travers\$2)near2 direction\$1)) same (current or (current near2 (flow or direction))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 18:58
S30	0	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) and ((parallel or travers\$2)near2 direction\$1)) same (current or (current near2 (flow or direction)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:13
S31	24	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) and (current or (current near2 (flow or direction)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:06

## EAST Search History

S32	14	((over adj hang\$3) or (t adj shap\$2)) near2 trench\$2 ) and ((parallel or travers\$2)near2 direction\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:08
S33	2255	438/424	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:08
S34	41	438/424 and ((over adj hang\$3) or (t adj shap\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:09
S35	3	(438/424 and ((over adj hang\$3) or (t adj shap\$2)) ) and ((parallel or travers\$2)near2 direction\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/28 19:13
S36	2359	((257/374) or (257/499) or (438/424) or (438/426)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/17 20:13
S37	2376	((257/374) or (257/499) or (438/424) or (438/426)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:01
S38	125423	(CMOS or (complementary adj metal adj oxide adj semiconductor)) or (((nfet and pfet) or ((n adj channel\$1) and (p adj channel\$1))) near device\$1 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:07
S39	664	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:07
S40	312	S39 and (sti or (shallow adj trench adj isolat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:08

## EAST Search History

S41	19	S40 and (prevent\$4 near2 oxidat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:11
S42	293	S40 not S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:11
S43	2376	((257/374) or (257/499) or (438/424) or (438/426)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 15:26
S44	60	S43 and transverse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/01 01:14



## EAST Search History

S45	78	(("6228694") or ("6406973") or ("6281532") or ("5683934") or ("6368931") or ("5310446") or ("4853076") or ("20020090791") or ("20020074598") or ("6509618") or ("6476462") or ("6362082") or ("6228694") or ("5565697") or ("20030040158") or ("20020086472") or ("6521964") or ("6506652") or ("5081513") or ("3602841") or ("6531740") or ("6531369") or ("6501121") or ("6498358") or ("6493497") or ("6403975") or ("6361885") or ("6255169") or ("6246095") or ("6165383") or ("6133071") or ("6046464") or ("6025280") or ("5940736") or ("5880040") or ("5861651") or ("5679965") or ("5670798") or ("5561302") or ("5471948") or ("5459346") or ("5391510") or ("5371399") or ("5108843") or ("5060030") or ("4958213") or ("4665415") or ("5989978") or ("6284626") or ("6274444") or ("6261964") or ("6221735") or ("6117722") or ("6107143") or ("6090684") or ("6066545") or ("6008126") or ("5946559") or ("5840593") or ("5592018") or ("5592007") or ("5571741") or ("5557122") or ("5354695") or ("5134085") or ("5006913") or ("4952524") or ("4855245") or ("20020086497") or ("5960297") or ("6403486") or ("6284623") or ("20030032261") or ("20030057184") or ("6265317") or ("20030067035") or ("6461936") or ("6319794") or ("20010009784")).PN.	US-PGPUB; USPAT	OR	OFF	2005/05/01 01:24
S46	1	("6831292").PN.	USPAT	OR	OFF	2005/10/15 20:01
S47	2575	((257/374) or (257/499) or (438/424) or (438/426)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/15 20:19
S48	2	S47 and fin near2 fet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 20:20

## EAST Search History

S49	227	fin near2 fet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 20:22
S50	114	S49 and cmos	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 20:23
S51	1	("20050082634").PN.	US-PGPUB	OR	OFF	2005/10/16 17:20
S52	12920	((257/69) or (257/204) or (257/288) or (257/350) or (257/351) or (257/357) or (257/367) or (257/369) or (257/374) or (257/499) or (438/42) or (438/153) or (438/154) or (438/199) or (438/221) or (438/296) or (438/400) or (438/424) or (438/426) or (438/700)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/28 11:37
S53	329	S52 and ((over adj hang\$1) or overhang\$1 or ("T" adj shap\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:07
S54	2	S53 and ((transvers\$3 and parallel) with (current or (current adj flow) or flow\$3 or (flow near5 charg\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:12
S55	3	S53 and ((transvers\$3 and parallel) same (current or (current adj flow) or flow\$3 or (flow near5 charg\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 11:40
S56	1	S55 not S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:13
S57	11	S53 and ((transvers\$3 and parallel) and (current or (current adj flow) or flow\$3 or (flow near5 charg\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:09

## EAST Search History

S58	8	S57 not S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:03
S59	696	(257/E21.54).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 17:26
S60	4184	((257/E21.54) or (257/E21.545) or (257/E21.546) or (257/E21.548) or (257/E21.574) or (257/E21.628)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 18:39
S61	52	S60 and ((transvers\$3 and parallel) and (current or (current adj flow) or flow\$3 or (flow near5 charg\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:32
S62	20	S61 and ("CMOS" or (complementary adj metal adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:36
S63	0	S62 not S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:13
S64	32	S61 not S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:13
S65	538	(257/E21.545).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:57

## EAST Search History

S66	442	(257/374).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:57
S67	5	((("5940716") or ("5981356") or ("6080637") or ("6093621") or ("6583060")).PN.	USPAT	OR	OFF	2006/02/28 10:39
S68	13656	((257/69) or (257/204) or (257/288) or (257/350) or (257/351) or (257/357) or (257/367) or (257/369) or (257/374) or (257/499) or (257/510) or (257/513) or (438/42) or (438/153) or (438/154) or (438/199) or (438/221) or (438/296) or (438/400) or (438/424) or (438/426) or (438/700)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:29
S69	234	S68 and (((transvers\$3 or across or (opposite near side)) and parallel) same (current or (current adj flow) or flow\$3 or (flow near5 charg\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 11:41
S70	121	S69 and ("CMOS" or (complementary adj metal adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 11:42
S71	1	"20020063292"	US-PGPUB; USPAT	OR	ON	2006/06/23 18:53
S72	27	((("20020063292") or ("20030032261") or ("20030040158") or ("20040238914") or ("20040262784") or ("20050040460") or ("20050082634") or ("20050093030") or ("20050098829") or ("20050106799") or ("20050145954") or ("20050148146") or ("20050194699") or ("20050236668") or ("20050245017") or ("20050280051") or ("20050282325") or ("20060027868") or ("20060057787") or ("20060060925") or ("6483171") or ("6831292") or ("6717216") or ("6825529") or ("7015082") or ("6974981") or ("6977194")).PN.	US-PGPUB; USPAT	OR	OFF	2006/06/23 19:00

## EAST Search History

S58	8	S57 not S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:03
S59	696	(257/E21.54).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 17:26
S60	4184	((257/E21.54) or (257/E21.545) or (257/E21.546) or (257/E21.548) or (257/E21.574) or (257/E21.628)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 17:07
S61	52	S60 and ((transvers\$3 and parallel) and (current or (current adj flow) or flow\$3 or (flow near5 charg\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:32
S62	20	S61 and ("CMOS" or (complementary adj metal adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 17:36
S63	0	S62 not S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:13
S64	32	S61 not S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:13
S65	538	(257/E21.545).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/24 17:57